



1 TCGAACTCAC TCACCTCCCC TCTCACCTCA CTGCCCTCAC CAGCCAGCCT
51 CTTGTCAAGT GATCAGGCTG TCAACCAACT TCTCTAGGAT AAGGTTTCAG
101 GTCAGCCTGT GTGTATAAGA CCAGTGCCAA GCCAGAAGCA GCAGAGACAA
151 CAGTGAATGA CAAGGAGGGG CCATCCAATC CCTGCTGCCA CCTCCTGGGA
201 TGGAGCCCTA GGGAGCCCCT GTGCTGCCCC TGCCGTGGCA GGA CTACAG
251 CCCACCGCT GCACTGAAGC CCAGGGCTGT GGAGCAGCTC TCTCCTTGGA
301 CTCCTCTCGG CCCTAAAGGG ACTGGGCAGA GCCTTCCAGG ACTATGGTTG
351 GACTGAAGCC TTCAGACGTG CCTCCCACCA TGGCTGTGAA GTTCCTGGGG
401 GCAGGCACAG CAGCCTGTTT TGCTGACCTC GTTACCTTTC CACTGGACAC
451 AGCCAAGGTC CGCCTGCAGA TCCAGGGGGA GAACCAGGCG GTCCAGACGG
501 CCCGGCTCGT GCAGTACCGT GGCGTGCTGG GCACCATCCT GACCATGGTG
551 CGGACTGAGG GTCCCTGCAG CCCCTACAAT GGGCTGGTGG CCGGCCTGCA
601 GCGCCAGATG AGCTTCGCCT CCATCCGCAT CGGCCTTTAC GACTCCGTCA
651 AGCAGGTGTA CACCCCCAAA GGCGCGGACA ACTCCAGCCT CACTACCCGG
701 ATTTTGGCCG GCTGCACCAC AGGAGCCATG GCGGTGACCT GTGCCAGCC
751 CACAGATGTG GTGAAGGTCC GATTTTCAGGC CAGCATACAC CTCGGGCCAT
801 CCAGGAGCGA CAGAAAATAC AGCGGGACTA TGGACGCCTA CAGAACCATC
851 GCCAGGGAGG AAGGAGTCAG GGGCCTGTGG AAAGGAACTT TGCCCAACAT
901 CATGAGGAAT GCTATCGTCA ACTGTGCTGA GGTGGTGACC TACGACATCC
951 TCAAGGAGAA GCTGCTGGAC TATCACCTGC TCACTGACAA CTTCCCCTGC
1001 CACTTTGTCT CTGCCTTTGG AGCCGGCTTC TGTGCCACAG TGGTGGCCTC
1051 CCCGGTGGAC GTGGTGAAGA CCCGGTATAT GAACTCACCT CCAGGCCAGT
1101 ACTTCAGCCC CCTCGACTGT ATGATAAAGA TGGTGGCCCA GGAGGGCCCC
1151 ACAGCCTTCT ACAAGGGATT TACACCCTCC TTTTGTGCGT TGGGATCCTG
1201 GAACGTGGTG ATGTTCTGTAA CCTATGAGCA GCTGAAACGG GCCCTGATGA
1251 AAGTCCAGAT GTTACGGGAA TCACCGTTTT GAACAAGACA AGAAGGCCAC
1301 TGGTAGCTAA CGTGTCCGAA ACCAGTTAAG AATGGAAGAA AACGGTGCAT

FIG.1A

1351 CCACGCACAC ATGGACACAG ACCCACACAT GTTTACAGAA CTGTTGTTTA
1401 CTTGTTGCTG ATTCAAGAAA CAGAAGTAGA AGAGAGAGGA TTCTGGTCTT
1451 CACTGCCATG CCTCAAGAAC ACCTTTGTTT TGCACTGACA AGATGGAAAA
1501 TAAATTATAT TAATTTTTGA AACCCATTAG GCATGCCTAA TATTTAGGCA
1551 AGAGAAAATA AACCAAGATA GATCCATTTG GACAAAATGG AAGGTTGGAG
1601 ACGTGTATCC CCGTGAAATC TGGTCAGATA ATGAATGATA AGCAGGAAGG
1651 ATGGCAAGCA CGGGACAGGA GGGGCCACACA ATGGAGTGGG AGATCAGCCA
1701 CGGAGCCTGG AGGGACGCCA CCCAGCAACA CAGAGCTGGC GACTGCAGCT
1751 GCACCATCAC ACATGCATCA TCAGCCTATT TGTAATATGT CTGCCACAGA
1801 GAGTCCTTTG GGATTCTAGG AAACCCAAGG AACAAGAGAA AAAACTAGAG
1851 CCTGTGCTAA AGAAGCCTGC TGGGCCCATG TGAGGCTGGG GTCGTAAATA
1901 TTCCCCGACG AACTGAAGA ATCAAGAGGG CAGCCCCCAC TTCTCCTACA
1951 AAATGGAGGG AGCCATCCCT TCCCTGTCCA CCTCACCAGG GGTGCTATGA
2001 CATGCAAGTG AGAAGCTGGG CATGAACGCA CTTTATAAAA GCAAAAGCTC
2051 TGTGTAAATC TAACTACAAG GACAATGCCT TGGGAGAGAT TTTGTCGGGA
2101 CAGAGAGGAG TTGCCAGGGA AGAAGGTTTG AAAGATACGG TTGTCTAGAG
2151 GTGAGACCAA AGGATCCAGA GACTTGGGGA CCAGAGGTGA CAGTGGATGA
2201 CGTGAAGCCA CAGGAGCCCC ACCCCCATGC AGCTTTTTTCC CCACCCCCC
2251 CACCACGCGC TCAATCATGA GTACCTCAAA GGATTGTTGG GCTTGGGGGA
2301 AAAGAGGTGG ATTCCTGGGC AAGAACCTAA AGTAGCAGGA (SEQ ID NO.11)

FIG.1B

1 TCGAACTCACTCACCTCCCCTCTCACCTCACTGCCCTCACCAGCCAGCCTCTTGTCAAGT 60
-----+-----+-----+-----+-----+
AGCTTGAGTGAGTGGAGGGAGAGTGGAGTGACGGGAGTGGTGGTTCGGTTCGGAGAACAGTTCA

61 GATCAGGCTGTCAACCAACTTCTCTAGGATAAGGTTTCAGGTACGCTGTGTGTATAAGA 120
-----+-----+-----+-----+-----+
CTAGTCCGACAGTTGGTTGAAGAGATCCTATTCCAAAGTCCAGTCCGACACACATATTCT

121 CCAGTGCCCAAGCCAGAGCAGACAGACAAACAGTGAATGACAAGGAGGGGCCATCCAATC 180
-----+-----+-----+-----+-----+
GGTCACGGTTCGGTCTTCGTGCTCTGTGTGTCACTTACTGTTCCTCCCGGTACCTTAG

181 CCTGTGCCACCTCCTGGGATGGAGCCCTAGGGAGCCCCGTGTGTGCCCTGCCGTGGCA 240
-----+-----+-----+-----+-----+
GGACGACGGTGGAGGACCCTACCTCGGGATCCCTCGGGGACACGACGGGGACGGCACCGT

241 GGA CTACAGCCCCACCGCTGCACTGAAGCCAGGCTGTGGAGAGCTCTCTCCTTGGA 300
-----+-----+-----+-----+-----+
CCTGAGTGTGGGGTGGCGACGTGACTTCGGGTCCCGACACCTCGTCGAGAGAGGAACCT

301 CTCCTCTCGGCCCTAAAGGGACTGGGCAGAGCCTTCCAGGACTATGGTTGGACTGAAGCC 360
-----+-----+-----+-----+-----+
GAGGAGAGCCGGGATTTCCCTGACCCGCTCTCGGAAGTCTGTATACCAACCTGACTTCGG
M V G L K P
TTCAGACGTGCCTCCCACCATGGCTGTGAAGTTCCTGGGGGCAGGCACAGCCTGTTT

361 AAGTCTGCACGGAGGGTGGTACCGACACTTCAAGGACCCCGTCCGTGTCTCGGACAAA 420
-----+-----+-----+-----+-----+
S D V P P T M A V K F L G A G T A A C F

FIG.2A

421 TGCTGACCTCGTTACCTTTCCACTGGACACAGCCAAGGTCCGCCCTGCAGATCCAGGGGGA 480
 -----+-----+-----+-----+-----+-----+
 ACGACTGGAGCAATGGAAAGGTGACCTGTGTGGTTCAGGGCGGACGTC TAGTCCCCCT
 A D L V T F P L D T A K V R L Q I Q G E

 461 GAACGAGGCGGTCCAGACGGCCCGGCTCGTGCAGTACCGTGGCGTGTGGGCACCATCCT 540
 -----+-----+-----+-----+-----+-----+
 CTTGGTCCGCCAGGTCTGCCGGGCGGACGACGTGATGGCACCGCACGCCGTTGGTAGGA
 N Q A V Q T A R L V Q Y R G V L G T I L

 541 GACCATGGTGGGACTGAGGCTCCCTGCAGGCCCTACAATGGGCTGGTGGCCGGCCTGCA 600
 -----+-----+-----+-----+-----+-----+
 CTGGTACCACGCCTGACTCCAGGGACGTGGGGATGTTACCCGACCAACCGGCCGGACGT
 T M V R T E G P C S P Y N G L V A G L Q

 601 GCGCCAGATGAGCTTCGCCTCCATCAGCATCGGCCTTTACGACTCCGTCAAGCAGGTGTA 660
 -----+-----+-----+-----+-----+-----+
 CGCGGTCTACTCGAAGCGGAGGTAGGCGTAGCCGGAAATGCTAGGCAGTTCTGTCACAT
 R Q M S F A S I R I G L Y D S V K Q V Y

 661 CACCCCAAGGCGGACAACCTCCAGCCTCACTACCCGGATTTTGGCCGGCTGCACCAC 720
 -----+-----+-----+-----+-----+-----+
 GTGGGGGTTTCCGGCCCTGTTGAGGTGGAGTGGGCTAAACCGGCCGACGTGGTG
 T P K G A D N S S L T T R I L A G C T T

FIG.2B

721 AGGAGCCATGGCGGTGACCTGTGCCCCAGCCACAGATGTGGTGAAGGTCGGATTTTCAGGC 780
 -----+-----+-----+-----+-----+-----+-----+
 TCCTCGGTACCGCCACTGGACACGGGTGGGTGTCTACACCACTTCCAGGCTAAAGTCCG
 G A M A V T C A Q P T D V V K V R F Q A

 781 CAGCATACACCTCGGGCCATCCAGGAGCGACAGAAAAATACAGCGGGACTATGGACGCCTA 840
 -----+-----+-----+-----+-----+-----+-----+
 GTCGTATGTGGAGCCCGGTAGGTCTCGCTGTCTTTTATGTCGCCCTGATACCTGCGGAT
 S I H L G P S R S D R K Y S G T M D A Y

 841 CAGAACCATCGCCAGGGAGGAGGTACGGGGCTGTGGAAAGGAACCTTTGCCCAACAT 900
 -----+-----+-----+-----+-----+-----+-----+
 GTCTTGGTAGCGGTCCCTCCTTCAGTCCCCGGACACCCTTTCCTTGAAACGGGTTGTA
 R T I A R E E G V R G L W K G T L P N I

 901 CATGAGGAATGCTATCGTCAACTGTGTGAGGTGGTGACCTACGACATCCTCAAGGAGAA 960
 -----+-----+-----+-----+-----+-----+-----+
 GTACTCCTTACGATAGCAGTTGACACGACTCCACCAGTGGATGCTGTAGGAGTTCTCTT
 M R N A I V N C A E V V T Y D I L K E K

 961 GCTGTGGACTATCACCTGCTCACTGACAACCTCCCCCTGCCACTTGTGCTCTGCTTTGG 1020
 -----+-----+-----+-----+-----+-----+-----+
 CGACGACCTGATAGTGGACGAGTGACTGTTGAAGGGGACGGTGAACACAGAGACGGAACC
 L L D Y H L L T D N F P C H F V S A F G

 1021 AGCCGGCTTCTGTGCCACAGTGGTGGCTCCCCGGTGGACGTGGTGAAGACCCGGTATAT 1080
 -----+-----+-----+-----+-----+-----+-----+
 TCGGCCGAAGACACGGTGTCAACACCGGAGGGCCACCTGCACCACCTCTCTGGGCCATATA
 A G F C A T V V A S P V D V V K T R Y M

FIG.2C

1081 GAACTCACCTCCAGGCCAGTACTTCAGCCCCCTCGACTGTATGATAAAGATGGTGGCCCA 1140
 -----+-----+-----+-----+-----+-----+
 CTTGAGTGGAGGTCCGGTCATGAACTCGGGGGAGCTGACATACTATTCTACCACCGGGT
 N S P P G Q Y F S P L D C M I K M V A Q

 1141 GGAGGGCCCCACAGCCTTCTACAAGGATTTACACCCTCCTTTTGGCGTTGGGATCCTG 1200
 -----+-----+-----+-----+-----+-----+
 CCTCCCGGGGTGTCGGAAGATGTTCCCTAAATGTGGGAGGAAAAACGCAAAACCCTAGGAC
 E G P T A F Y K G F T P S F L R L G S W

 1201 GAACGTGGTGATGTTGTAACCTATGAGCAGCTGAAACGGGCCCTGATGAAAGTCCAGAT 1260
 -----+-----+-----+-----+-----+-----+
 CTTGCACCACTACAAGCATTGGATACTGTCGACTTTGCCCGGGACTACTTTCAGGTCTA
 N V V M F V T Y E Q L K R A L M K V Q M

 1261 GTTACGGGAATCACCGTTTTGAACAAGACAAGAAGGCCACTGGTAGCTAACGTGTCCGAA 1320
 -----+-----+-----+-----+-----+-----+
 CAATGCCCTTAGTGGCAAAACTTGTCTGTCTTCGGGTGACCATCGATTGCACAGGCTT
 L R E S P F * (SEQ ID NO.12)

 1321 ACCAGTTAAGAAATGGAAGAAAACGGTGCATCCACGCACACATGGACACAGACCCACACAT 1380
 -----+-----+-----+-----+-----+-----+
 TGGTCAATTCTTACCTTCTTTTGGCCACGTAGGTGGGTGTGTACCTGTGTCTGGGTGTGTA

FIG.2D

1381 GTTTACAGAACTGTTGTTTACTTGTGCTGATTCAAGAAACAGAAGTAGAAGAGAGAGGA
 -----+-----+-----+-----+-----+ 1440
 CAAATGCTTTGACAACAAATGAACAACGACTAAGTTCTTTGTCTTCATCTTCCTCCTCCT

 1441 TTCTGGTCTTCACTGCCATGCCCTCAAGAACACCTTTGTTTTGCACTGACAAGATGGA AAA
 -----+-----+-----+-----+-----+ 1500
 AAGACCAGAAAGTGACGGTACGGAGTCTTGTGGAACAAAACGTGACTGTTCTACCTTTT

 1501 TAAATTATATTAATTTTGA AACCCATTAGGCATGCCCTAATATTTAGGCAAGAGAAAAATA
 -----+-----+-----+-----+-----+ 1560
 ATTTAATATAATTAAAAACTTGGGTAATCCGTACGGATTATAAATCCGTTCTCTTTTAT

 1561 AACCAAGATAGATCCATTTGGACAAAAATGGAAGGTGGAGACGTGTATCCCCGTGAAATC
 -----+-----+-----+-----+-----+ 1620
 TTGGTTCTATCTAGGTAAACCTGTTTACCTTCCAACCTCTGCACATAGGGGCACCTTTAG

 1621 TGGTCAGATAATGAATGATAAGCAGGAAGGATGGCAAGCACGGGACAGGAGGGGCCACACA
 -----+-----+-----+-----+-----+ 1680
 ACCAGTCTATTACTTACTATTCGTCTCTCTACCGTTCTGCGCCCTGTCCTCCCGGGTGT

 1681 ATGGAGTGGGAGATCAGCCACGGAGCCTGGAGGGACGCCACCCAGCAACACAGAGCTGGC
 -----+-----+-----+-----+-----+ 1740
 TACCTCACCCCTCTAGTCGGTGCCTCGGACCTCCCTGCGGTGGGTGTTGTGCTCGACCG

 1741 GACTGCAGCTGCACCATCACACATGCATCATCAGCCTATTTGTAATATGCTCTGCCACAGA
 -----+-----+-----+-----+-----+ 1800
 CTGACGTCGACGTGGTAGTGTGTACGTAGTAGTCGGATAAACATTATACAGACGGTGTCT

 1801 GAGTCCCTTTGGGATTCTAGGAACCCCAAGGAACAAGAGAAAAAACTAGAGCCTGTGCTAA
 -----+-----+-----+-----+-----+ 1860
 CTCAGGAAACCCCTAAGATCCTTTGGGTTCCTTGTCTCTTTTGTGATCTCGGACACGATT

FIG.2E

1861 AGAAGCCTGCTGGGCCCATGTGAGGCTGGGGTCGTAATAATTCCCGACGACACTGAAGA
 -----+-----+-----+-----+-----+-----+ 1920
 TCTTCGGACGACCCGGGTACACTCCGACCCAGCAITTTATAAGGGGCTGCTGTGACTTCT

 1921 ATCAAGAGGGCAGCCCCACTTCTCCTACAAAAATGGAGGGAGCCATCCCTTCCTGTCCA
 -----+-----+-----+-----+-----+-----+ 1980
 TAGTTCTCCCGTCGGGGTGAAGAGGATGTTTTACCTCCCTCGGTAGGGAAGGACAGGT

 1981 CCTCACCAGGGTGCTATGACATGCAAGTGAGAAGCTGGGCATGAACGCACTTTATAAAA
 -----+-----+-----+-----+-----+-----+ 2040
 GGAGTGGTCCCCACGATACTGTAGGTTCACTCTTCGACCCGTACTTGCGTGAATATTTT

 2041 GCAAAAGCTCTGTGTAATCTAACTACAAGGACAAATGCCTTGGGAGAGATTTTGTGGGA
 -----+-----+-----+-----+-----+-----+ 2100
 CGTTTTCGAGACACATTTAGATTGATGTTCCCTGTACGGAACCCCTCTCTAAACACAGCCCT

 2101 CAGAGAGGAGTTGCCAGGGAAGGTTTGAAAGATACGGTTGCTAGAGGTGAGACCAA
 -----+-----+-----+-----+-----+-----+ 2160
 GTCTCTCCTCAACGGTCCCCTCTTCCAACTTCTATGCCAACAGATCTCCACTCTGGTT

 2161 AGGATCCAGAGACTTGGGGACCAAGAGGTGACAGTGGATGACGTGAAGCCACAGGAGCCCC
 -----+-----+-----+-----+-----+-----+ 2220
 TCCTAGGTCTCTGAACCCCTGGTCTCCACTGTCACCTACTGCACCTCGGTGTCCTCGGGG

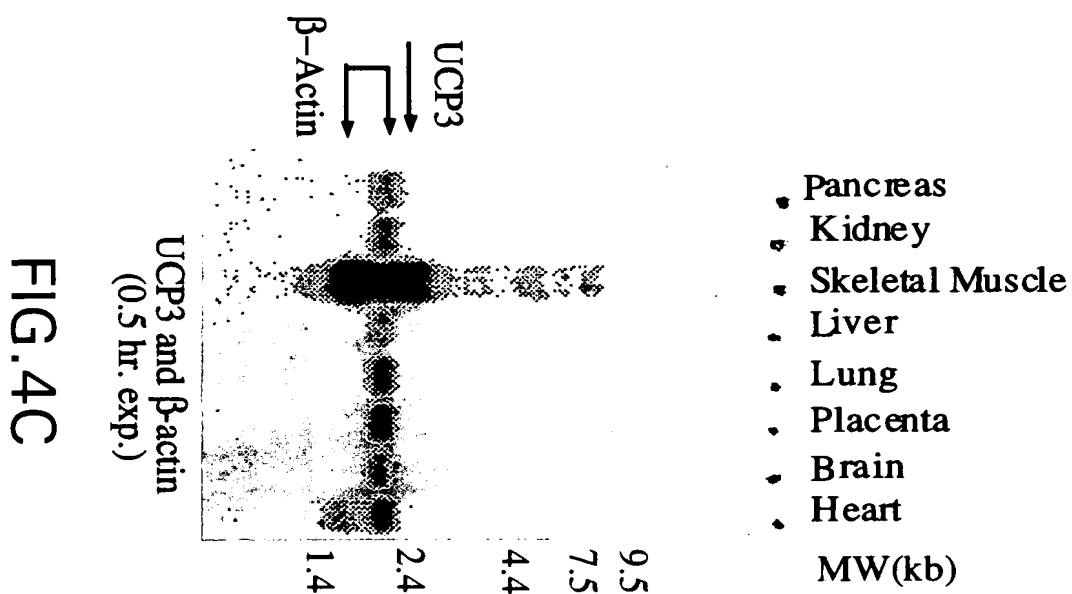
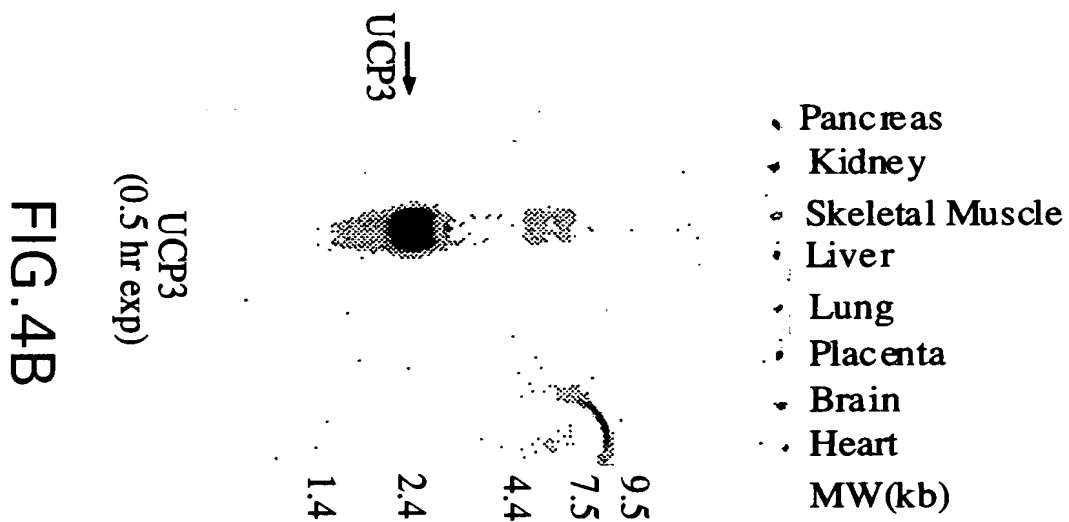
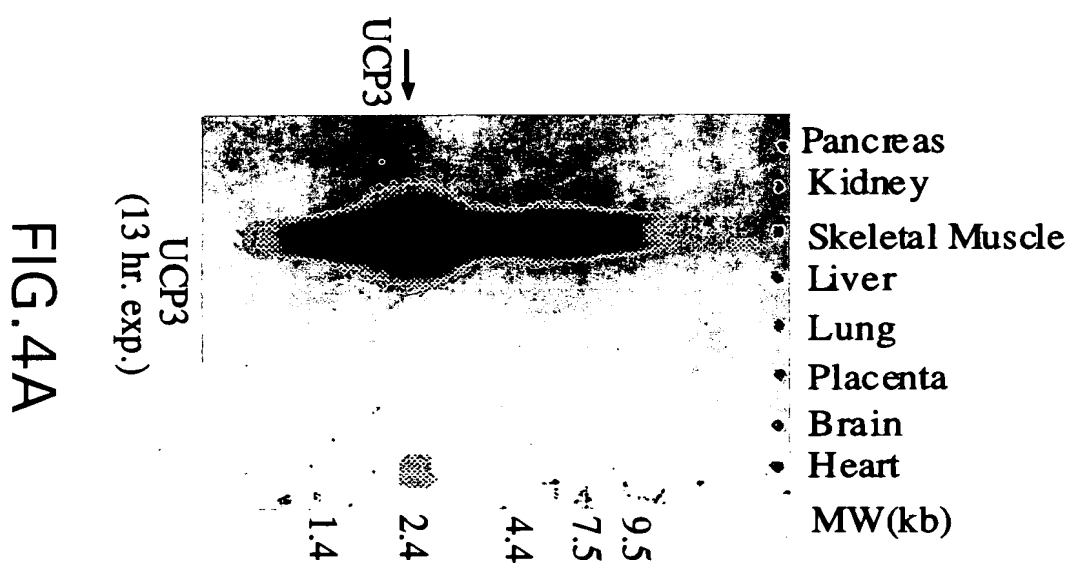
 2221 ACCCCCATGCAGCTTTTTCCCAACCCCCACCACGGCTCAATCATGAGTACCTCAAA
 -----+-----+-----+-----+-----+-----+ 2280
 TGGGGGTACGTGGA AAAAGGGGTGGGGGGGTGGTGCCGAGTTAGTACTCATGGAGTTT

 2281 GGATTGTTGGGCTTGGGGGAAAAGAGGTGGATTCTCTGGGCAAGAACCTAAAGTAGCAGGA
 -----+-----+-----+-----+-----+-----+ 2340
 CCTAACACCCGAACCCCTTTTCTCCACCTAAGGACCCGTTCTTGGAATTCATCGTCCT

FIG.2F

1 MVGLKPSSDP PTMAVKFLGA GTAACFADLV TFPLDTAKVR LQIQGENQAV
51 QTARLVQYRG VLGITILTMVR TEGPCSPYNG LVAGLQRQMS FASIRIGLYD
101 SVKQVYTPKG ADNSSLTTRI LAGCTTGAMA VTCAQPTDVV KVRFAQSIHL
151 GPSRSDRKYS GTMDAYRTIA REEGVRGLWK GTLPNIMRNA IVNCAEVVTY
201 DILKEKLLDY HLLTDNFPCH FVSAFGAGFC ATVVASPV DV VKTRYMNSPP
251 GQYFSP LDCM IKMVAQEGPT AFYKGFTPSF LRLGSWNVVM FVTYEQLKRA
301 LMKVQMLRES PF* (SEQ ID NO.12)

FIG.3



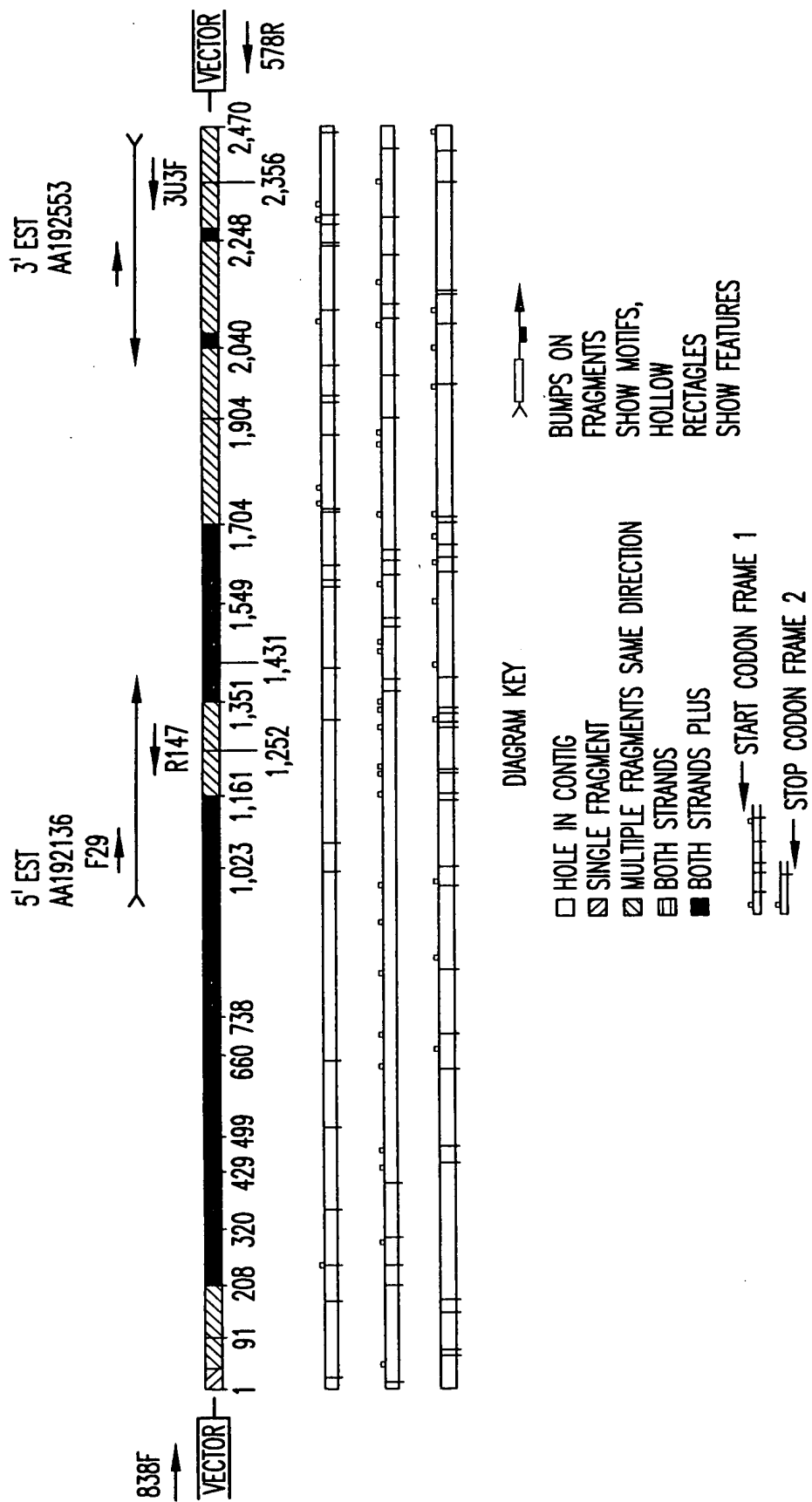


FIG.5

1 CCAGGAACAG CAGAGACAAC AGTGAATGGT GAGGCCCGGC CGTCAGATCC
51 TGCTGCTACC TAATGGAGTG GATCCTTAGG GTCGCCCTGC ACTACCCAAC
101 CTTGGCTAGA CGCACAGCTT CCTCCCTGAA CTGAAGCAAA AGATTGCCAG
151 CCAAGCTCTC TCCTCGGACC TCCATAGGCA GCAAAGGAAC CAGGCCCAT
201 CCCCAGGACC ATGGTTGGAC TTCAGCCCTC CGAAGTGCCT CCCACAACGG
251 TTGTGAAGTT CCTGGGGGCC GGCCTGCGG CCIGTTTTGC GGACCTCCTC
301 ACTTTTCCCC TGGACACCGC CAAGGTCCGT CTGCAGATCC AAGGGGAGAA
351 CCCAGGGGCT CAGAGCGTGC AGTACCGCGG TGTGCTGGGT ACCATCCTGA
401 CTATGGTGCG CACAGAGGGT CCCCAGAGCC CCTACAGCGG ACTGGTCGCT
451 GGCCTGCACC GCCAGATGAG TTTTGCCTCC ATTCGAATTG GCCTCTACGA
501 CTCTGTCAAG CAGTTCTACA CCCCCAAGGG AGCGGACCAC TCCAGCGTCG
551 CCATCAGGAT TCTGGCAGGC TGCACGACAG GAGCCATGGC AGTGACCTGC
601 GCCCAGCCCA CGGATGTGGT GAAGGTCCGA TTTCAAGCCA TGATACGCCT
651 GGGAAGTGA GGAGAGAGGA AATACAGAGG GACTATGGAT GCCTACAGAA
701 CCATCGCCAG GGAGGAAGGA GTCAGGGGCC TGTGGAAAGG GACTTGGCCC
751 AACATCACAA GAAATGCCAT TGTCAACTGT GCTGAGATGG TGACCTACGA
801 CATCATCAAG GAGAAGTTGC TGGAGTCTCA CCTGTTTACT GACAACTTCC
851 CCTGTCACTT TGTCTCTGCC TTTGGAGCTG GCTTCTGTGC CACAGTGGTG
901 GCCTCCCCGG TGGATGTGGT AAAGACCCGA TACATGAACG CTCCCCTAGG
951 CAGGTACCGC AGCCCTCTGC ACTGTATGCT GAAGATGGTG GCTCAGGAGG

FIG.6A

1001 GACCCACGGC CTTCTACAAA GGATTTGTGC CCTCCTTTCT GCGTCTGGGA
1051 GCTTGGAACG TGATGATGTT TGTAACATAT GAGCAACTGA AGAGGGCCTT
1101 AATGAAAGTC CAGGTA CTGC GGAATCTCC GTTTTGAACA AGGCAAGCAG
1151 GCTGCCTGGA ACAGAACAAA GCGTCTCTGC CCTGGGGACA CAGGCCCA
1201 CGGTCCAGAA CCCTGCACTG CTGCTGACAC CAGAACTGA ACTAAAAGAG
1251 GAGAGTTTTA GTCCTCCGTG TTTCGTCCTA AAACACCTCT GTTTTGCCT
1301 GACCTGATGG GAAATAAATT ATATTAATTT TTAACCCTT TCCGGTTGGA
1351 TGCCTAACAT TTAGGCAAGA GACAACAAAG AAAACCAGAG TCAACTCCCT
1401 TGAAATGTAG GAATAAAGGA TGCATAATAA ACAGGAAAGG CACAGGTTTT
1451 GAGAAGATCA GCCCACAGTG TTGTCCTTGA ATCAAACAAA ATGGTCGGAG
1501 GAACCCTTCG GGTTCAGCAC AAAGAGGTGA CTACAGCCTT TTGGTCACCA
1551 GATGACTCCG CCCCTTTGTA ATGAGTCTGC CAAGTAGACT CTATCAAGAT
1601 TCTGGGGAAA GGAGAAAGAA CACATTGACC TGCCCGGGCG GCCGCTCGAG
1651 CCCTATGA (SEQ ID NO:17)

FIG.6B

1 MVGLQPSEVP PTTVVRFLGA GTAACFADLL TFPLDTAKVR LQIQGENPGA
51 QSVQYRGVLG TILTMVRTEG PRSPYSGLVA GLHRQMSFAS IRIGLYDSVK
101 QFYTPKGADH SSVAIRILAG CTTGAMAVTC AQPTDVVKVR FQAMIRLGTG
151 GERKYRGTMD AYRTIAREEG VRGLWKGTWP NITRNAIVNC AEMVTYDIK
201 EKLLESHLFT DNFPCHFVSA FGAGFCATVV ASPVDVVKTR YMNAPLGRYR
251 SPLHCMLKMV AQEGPTAFYK GFVPSFLRLG AWNVMMFVTY EQLRRALMKV
301 QVLRESPF* (SEQ ID NO:18)

FIG.7

FIG.8A

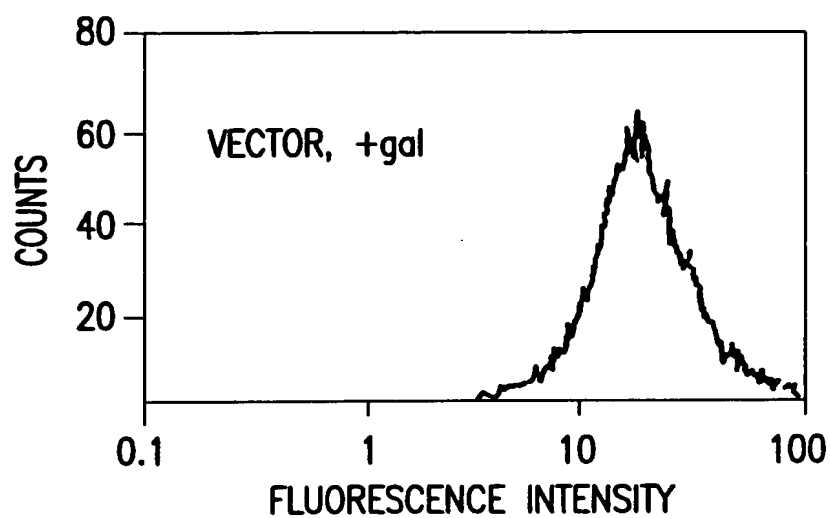


FIG.8B

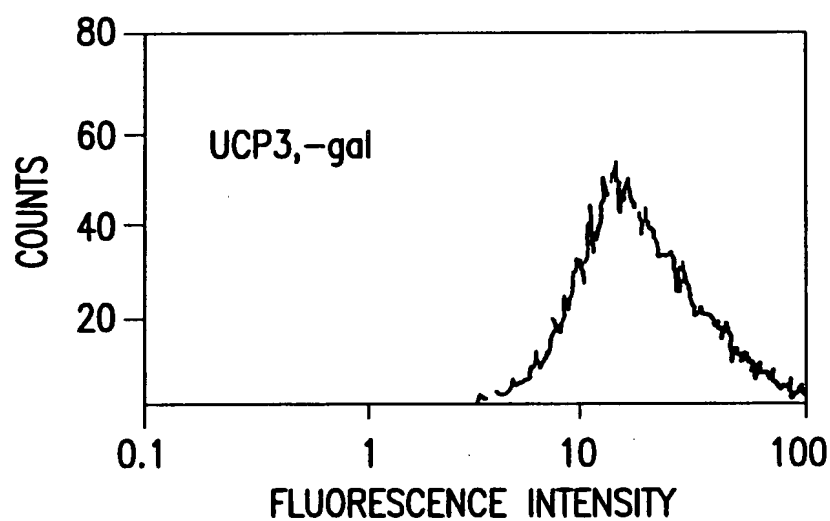
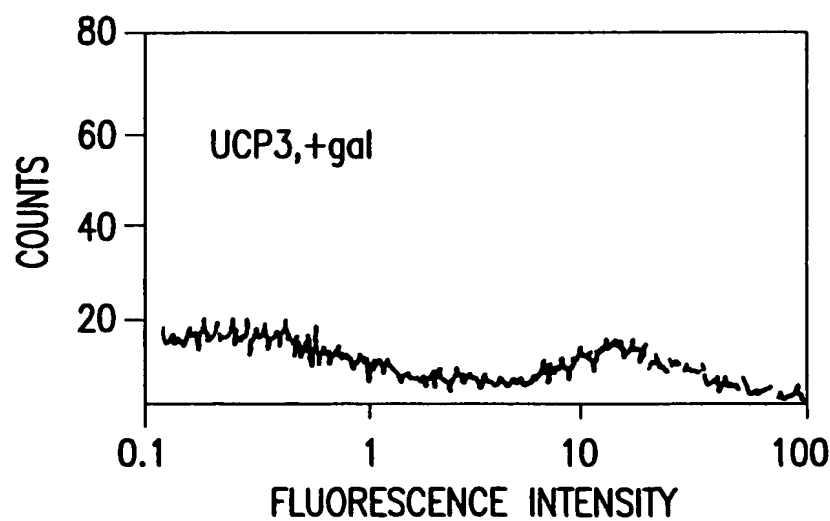


FIG.8C



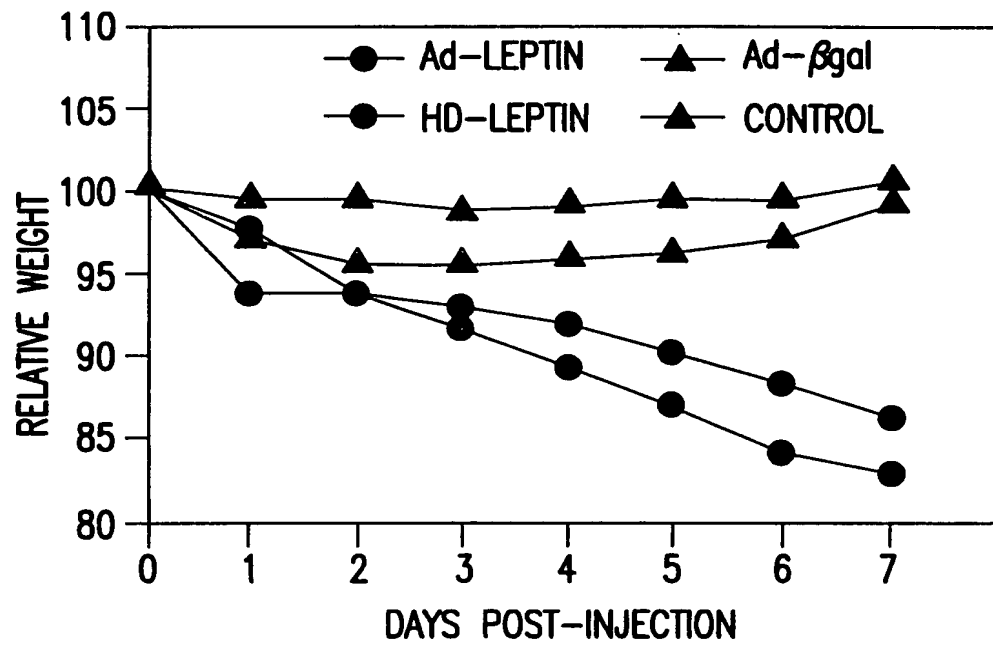


FIG.9A

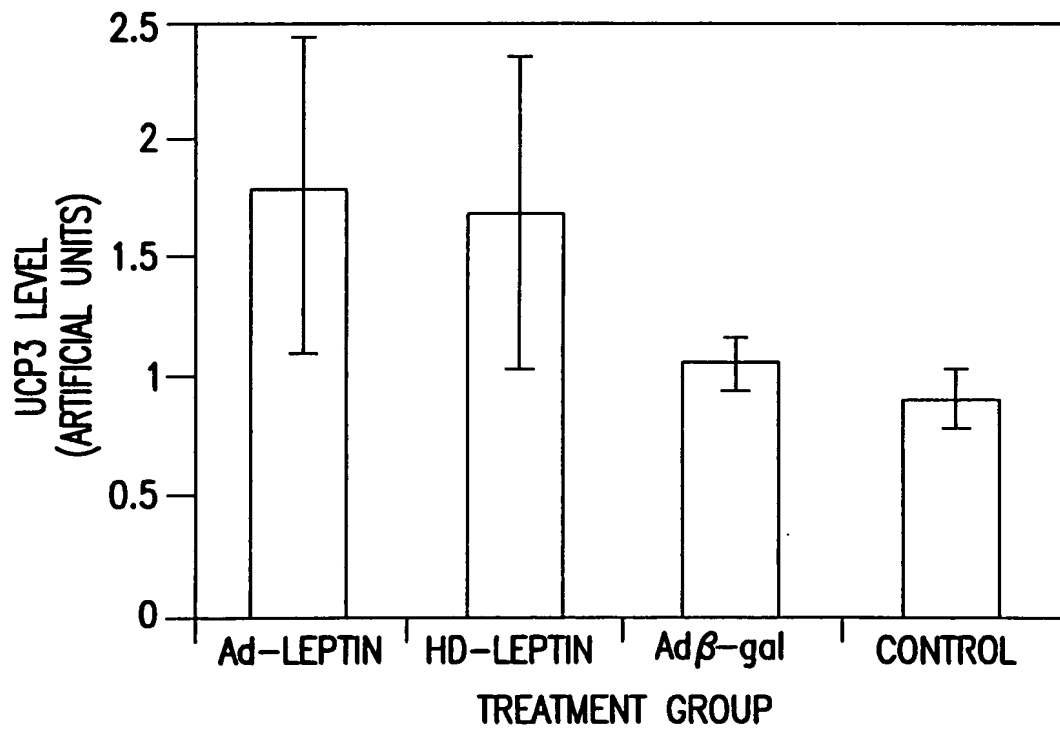


FIG.9B